

Jiandong Feng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,402
citations

686830

13
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

2994
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-layer MoS2 nanopores as nanopower generators. <i>Nature</i> , 2016, 536, 197-200.	13.7	830
2	Identification of single nucleotides in MoS2 nanopores. <i>Nature Nanotechnology</i> , 2015, 10, 1070-1076.	15.6	409
3	Atomically Thin Molybdenum Disulfide Nanopores with High Sensitivity for DNA Translocation. <i>ACS Nano</i> , 2014, 8, 2504-2511.	7.3	404
4	Observation of ionic Coulomb blockade in nanopores. <i>Nature Materials</i> , 2016, 15, 850-855.	13.3	175
5	Direct imaging of single-molecule electrochemical reactions in solution. <i>Nature</i> , 2021, 596, 244-249.	13.7	149
6	Fabrication and practical applications of molybdenum disulfide nanopores. <i>Nature Protocols</i> , 2019, 14, 1130-1168.	5.5	84
7	Wide-Field Spectral Super-Resolution Mapping of Optically Active Defects in Hexagonal Boron Nitride. <i>Nano Letters</i> , 2019, 19, 2516-2523.	4.5	63
8	Imaging of Optically Active Defects with Nanometer Resolution. <i>Nano Letters</i> , 2018, 18, 1739-1744.	4.5	61
9	Operando Imaging of Chemical Activity on Gold Plates with Single-Molecule Electrochemiluminescence Microscopy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	49
10	A label-free optical sensor based on nanoporous gold arrays for the detection of oligodeoxynucleotides. <i>Biosensors and Bioelectronics</i> , 2011, 30, 21-27.	5.3	33
11	Synthetic Macrocyclic Nanopore for Potassium-Selective Transmembrane Transport. <i>Journal of the American Chemical Society</i> , 2021, 143, 15975-15983.	6.6	33
12	Use of a porous silicon-gold plasmonic nanostructure to enhance serum peptide signals in MALDI-TOF analysis. <i>Analytica Chimica Acta</i> , 2014, 849, 27-35.	2.6	26
13	Nonlinear electrohydrodynamic ion transport in graphene nanopores. <i>Science Advances</i> , 2022, 8, eabj2510.	4.7	21
14	Electrochemistry probed one molecule at a time. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 101000.	2.5	14
15	Ionic conductance oscillations in sub-nanometer pores probed by optoelectronic control. <i>Matter</i> , 2021, 4, 2378-2391.	5.0	13
16	Empowering single-molecule analysis with self-assembled DNA nanostructures. <i>Matter</i> , 2021, 4, 3121-3145.	5.0	10
17	Operando Imaging of Chemical Activity on Gold Plates with Single-Molecule Electrochemiluminescence Microscopy. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	8
18	Nanoporous Gold Channel with Attached DNA Nanolock for Drug Screening. <i>Small</i> , 2012, 8, 3786-3790.	5.2	6

#	ARTICLE	IF	CITATIONS
19	Dynamic Optical Visualization of Proton Transport Pathways at Water–Solid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112150.	7.2	4
20	Etching-Engineered Low-Voltage Dielectrophoretic Nanotweezers for Trapping of Single Molecules. <i>Analytical Chemistry</i> , 2021, 93, 12549-12555.	3.2	3
21	Ionic Liquid Decelerates Single-Stranded DNA Transport through Molybdenum Disulfide Nanopores. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32618-32624.	4.0	3
22	Dynamic Optical Visualization of Proton Transport Pathways at Water–Solid Interfaces. <i>Angewandte Chemie</i> , 2022, 134, e202112150.	1.6	2
23	Ion Density-Dependent Dynamic Conductance Switching in Biomimetic Graphene Nanopores. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3602-3608.	2.1	2
24	A Nanoscopy of 2D materials. , 2019, , .		0